

Message Text

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TO USMISSION NATO PRIORITY

C O N F I D E N T I A L STATE 230638

E.O. 11652: GDS

TAGS: NATO, MILI, MARR

SUBJECT: PROPOSED US STATEMENT ON COMSEC FOR 17TH
NJCEC MEETING - 23-24 OCTOBER 1975

1. AT 23-24 OCTOBER NJCEC PLENARY WE PROPOSE TO OFFER AN
APPROACH TO ACHIEVE NATO/NATIONAL INTEROPERABLE COMSEC.
PLEASE PASS FOLLOWING STATEMENT TO CHAIRMAN NJCEC FOR
INCLUSION ON AGENDA AND FOR ADVANCE DISTRIBUTION TO
NJCEC REPS.

2. BEGIN TEXT:

IN OCTOBER OF 1974 THE NJCEC ENDORSED, FOR PLANNING PUR-
POSES, THE CRYPTO CONCEPT SET FORTH IN SECTION VI OF
NICSMA-D/45. THE COMMUNICATIONS SECURITY ASPECTS OF THAT
CONCEPT WERE LATER ENDORSED BY THE MILITARY COMMITTEE.
THE NJCEC ALSO INVITED THE NATIONS TO ENSURE THAT THE
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NECESSARY ACTION IS TAKEN TO PROVIDE THE REQUIRED NEW

TYPES OF CRYPTOGRAPHIC EQUIPMENT IN A TIMELY MANNER.

3. A KEY ELEMENT OF THE CONCEPT IS THE AIM OF HAVING, IF POSSIBLE BY 1985 AND BY 1990 AT THE LATEST, A FAMILY OF ENCRYPTION EQUIPMENTS TO COVER ALL FORMS OF TELECOMMUNICATIONS WHICH:

A. COULD BE USED ON ALL OF NATO'S TRANSMISSION MEDIA (MILITARY AND CIVILIAN)

B. WILL PROVIDE THE MAXIMUM ACHIEVABLE DEGREE OF COMMUNICATIONS SECURITY THROUGHOUT THE NICS, AND

C. WILL PROVIDE THE MAXIMUM CRYPTOGRAPHIC INTEROPERABILITY WITH NATO'S TACTICAL COMMUNICATIONS SYSTEMS.

4. WE HAVE NOTED MUCH USEFUL WORK IN THE NUMEROUS NATO BODIES -- NICSMA, AC-225, AND THE VARIOUS C-E AGENCIES OF THE MILITARY COMMITTEE AND ALSO IN EUROCOM -- BUT BELIEVE THE EFFORTS OF THESE BODIES HAVE BEEN TOO LIMITED WITH RESPECT TO THEIR GOALS AND HAVE FAILED TO TAKE INTO ACCOUNT THE INTENT OF THE NATO RATIONALIZATION AND STANDARDIZATION EFFORT. AT THE PRESENT TIME, THERE DOES NOT APPEAR TO BE ANY CONCERTED EFFORT WITHIN NATO TO ACHIEVE THE STATED AIM.

5. IN THE UNITED STATES' VIEW, IT WILL BE POSSIBLE TO ACHIEVE THIS AIM IN THE 1980 TO 1985 TIMEFRAME IF NATO AND THE NATIONS WILL UNDERTAKE THE NECESSARY ACTIONS IN THE SPIRIT OF THE NATO RATIONALIZATION AND STANDARDIZATION EFFORT. TO THIS END AND IN KEEPING WITH THE AFOREMENTIONED INVITATION OF THIS COMMITTEE, THE US WISHES TO ANNOUNCE THAT IT HAS UNDER DEVELOPMENT A FAMILY OF CRYPTOGRAPHIC EQUIPMENT, ELEMENTS OF WHICH USE THE CRYPTOGRAPHIC LOGIC CALLED SAVILLE, WHICH WOULD MEET THIS AIM AND WILL BE AVAILABLE FOR EMPLOYMENT IN THE 1980-1985 TIMEFRAME.

6. THE VINSON EQUIPMENT WHICH WAS DEMONSTRATED DURING THE LAST MEETING OF THE NJCEC, IS BUT ONE ELEMENT OF THIS FAMILY OF CRYPTO EQUIPMENT. VINSON AND THE OTHER ELEMENTS
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WILL EMBODY THE MOST ADVANCED TECHNOLOGY BOTH IN DESIGN AND MANUFACTURE. TECHNIQUES INCORPORATED FOR THE PURPOSE OF ACHIEVING TOTAL SECURITY INCLUDE END-TO-END ENCRYPTION WHERE APPROPRIATE, CRYPTOGRAPHIC COMPARTMENTATION TO WHATEVER DEGREE IS DESIRED, AND ELECTRONIC KEY DISTRIBUTION TO VIRTUALLY ELIMINATE THE PHYSICAL SECURITY RISKS INHERENT IN THE EMPLOYMENT OF HARD COPY KEYING MATERIAL.

7. THIS US APPROACH TO SOLUTION OF THE TOTAL SECURITY PROBLEM RECOGNIZES THAT NARROWBAND COMMUNICATIONS WILL REMAIN AN IMPORTANT PART OF THE COMMUNICATIONS SYSTEMS IN EUROPE AND OUR DEVELOPMENT EFFORT ENCOMPASSES THE REQUIREMENT TO PROVIDE EQUIPMENT TO PERMIT TRANSMISSION OF DIGITAL SIGNALS OVER NORMAL PTT CIRCUITS. SOME OF THE OTHER SPECIALIZED REQUIREMENTS ADDRESSED IN THE US DEVELOPMENT ARE THOSE FOR EQUIPMENT FOR NAVAL SHORE TO SHIP

BROADCASTS AND FOR APPLICATIONS SIMILAR TO THOSE ENVISAGED BY NATO IN THE DEVELOPMENT OF THE MILITARY REQUIREMENTS FOR THE HIGHSPEED ENCRYPTION EQUIPMENT.

8. DR. RECHTIN, SPEAKING FOR THE US AT THE MEETING OF THE NJCEC IN JULY 1973, IN ADDITION TO OFFERING TO INFORM NATO OF ADVANCES MADE IN US COMMUNICATIONS AND COMSEC AND TO SHOW TO NATO THE US COMSEC EQUIPMENT AS IT EMERGED FROM THE US PROGRAM, ALSO OFFERED, IF THE LEADERSHIP IN NATO SO DESIRED, TO TAKE THE STEPS NECESSARY TO MAKE THE US DEVELOPMENTS AVAILABLE FOR NATO AND NATIONAL USE. TO DATE, THE US HAS SEEN NO EVIDENCE OF A DESIRE ON THE PART OF NATO OR NATIONAL AUTHORITIES TO REQUEST THE US TO INITIATE THE ACTIONS NECESSARY TO MAKE THESE DEVELOPMENTS AVAILABLE.

9. THE US NOW PROPOSES THAT THE NJCEC:

A. REAFFIRM ITS ENDORSEMENT OF THE AIM SET FORTH IN PARAGRAPH 32(H) OF NICSMA-D/45 BUT WITH THE TARGET DATE ADVANCED BY 5 YEARS (I.E., 1980-1985).

B. AGREE THAT THE JCEWG SHOULD STUDY AND REPORT TO THE NJCEC, IN SUFFICIENT TIME FOR CONSIDERATION AT THE CONFIDENTIAL

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SPRING 1976 MEETING, FEASIBLE OPTIONS FOR ACHIEVING THE AGREED AIM; TAKING DUE COGNIZANCE OF THE INTENT OF THE NATO RATIONALIZATION AND STANDARDIZATION EFFORT AND THE US ANNOUNCEMENT OF THE DEVELOPMENT OF A FAMILY OF COMSEC EQUIPMENT WHICH, IF APPROVED FOR RELEASE BY US NATIONAL COMSEC AUTHORITIES, WILL MEET THE STATED AIM.

END TEXT.

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